

Software Solutions

Custom Software Products and Solutions

The Calian, Advanced Technologies team of experienced software developers wants to build your next application. Our background in high availability management, monitoring, communications and test systems has prepared us to meet your most stringent requirements.

From building products to custom applications, Calian pays attention to all your requirements throughout the application lifecycle. Our strength is in demonstrating our understanding of your requirements and meeting them on schedule and on budget with no hassles. There is no forced fit at Calian, we select the appropriate technologies and tools to build the right solution.

The Calian software development process is certified to ISO 9001:2015; it reflects best practices developed over hundreds of successful projects. Calian employs more than 35 full time software developers with more than 500 years of combined software development experience. We have a structured and methodical process covering the complete software development lifecycle. This process generates solid, easy-to-maintain code efficiently, consistently and reliably. Calian has significant experience with different environments across a range of project sizes and maintains a large library of reusable code. We have rigorous procedures for configuration control, data back up and off-site data storage.

Past projects include:

- Radio uplink delivery, network management and authorization systems
- Gateways, network coordination systems
- Spectrum planning, traffic analysis and monitoring tools
- Custom Linux board support packages
- Custom network management interfaces for devices
- Equipment monitor and control products
- Automated test systems

Calian builds simulators, models networks and complex data relationships, and develops algorithms to automate complex processes. We have broad experience working with microprocessors and embedded code up to multi-tier applications running on a fleet of multi-core processors. We design for Microsoft, Linux, embedded Linux and other specialty operating systems using C, C++, C# and Java. One of our specialties is our ability to model complex data and systems via rich and intuitive graphical user interfaces.

One of our own software products is Mon-A- Co, a highly versatile monitor and control system that remotely manages a suite of communications equipment used in communication station or gateway applications. This system is designed so that it can be easily customized and manage a wide variety of equipment. It not only monitors and controls each individual component, but also the service that is being provided. Alarms, events and sophisticated statistical analysis and trending provide the operator with status at a glance. Its powerful, intuitive user interface allows both local and remote management of the system.

Calian has been providing solutions to the communication industry worldwide for over 50 years. We design management, monitoring, communications, embedded and test software systems for your most stringent requirements.

The heritage of our software services is the continual evolution and enhancement of our software libraries over decades of successful software developments.

Our competitive advantages include:

- Solid portfolio of existing software designs
- Structured and methodical design processes
- Extensive use of modeling and simulation tools to validate designs
- Intuitive graphical user interface designs
- Embedded software for microprocessors and embedded code up to multi-tier applications
- Remote upgradeable software
- ISO 9001:2015 certified to ensure robust, reliable software development
- Flexible business approach to intellectual property ownership
- Scalable processes to efficiently complete straightforward smaller jobs or larger, more complex, jobs

When you need to get to market quickly

We will work closely with you to design a system to meet your requirements in a timely manner. Careful planning will allow us to complete the development of the system in time for your market window.

When you don't have resources to allocate

We provide a dedicated and experienced team of engineers to complete your project. This team will be selected to address the specific needs of your project and will work with you to see that our finished product meets or surpasses your expectations.

When you have a complex software problem

We handle complex sets of requirements and ensure that you receive a solution that meets your needs and your customers' needs. We have experience managing large, complex projects, and our attention to detail ensures all your technical requirements are met on schedule and on budget.

When a software component in your design is causing problems

Calian has experience working with many industry standards. When your product is nearly there, let us help you finish the last step that you may not have resources for, or simply aren't familiar with.



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